

ABSTRACT OF THE DISCLOSURE

Unsaturated polyetherester resins, and processes for making them, are described which are useful for making curable thermoset resin compositions, intermediates for curable thermoset resin compositions, fiber-reinforced polymer composites, intermediates for making skin laminates for gel coated fiber-reinforced composites and gel coated polymer laminates. The unsaturated polyetherester resins are obtainable by reacting at least one acid-terminated unsaturated polyetherester resin with at least one aromatic polyol having at least one non-primary hydroxy group to produce an unsaturated polyetherester resin at least partially end-capped with an aromatic polyol. The described processes, compositions, methods and uses improve the chemical and/or water resistance of resin compositions, particularly composite materials having a gel coat. That improvement has special significance in outdoor and marine applications, bathtubs and shower stalls, and environments exposed to chemicals such as industrial and commercial applications.